

IN THE CLAIMS

Please amend the claims as follows:

Sub D1
Claim 1. (Once Amended) An angular position sensing apparatus for mounting on a rotatable body having a center of rotation and for determining an angular position of the rotatable body relative to a point in space comprising:

a1
a first dual-axis accelerometer having a first sensing axis for sensing a first acceleration component and a second sensing axis for sensing a second acceleration component, wherein the first and second sensing axes are in substantially perpendicular relation, the first dual-axis accelerometer operable to output a first signal proportional to the sensed first acceleration component and to output a second signal proportional to the sensed second acceleration component,

a second dual-axis accelerometer having a third sensing axis for sensing a third acceleration component and a fourth sensing axis for sensing a fourth acceleration component, wherein the third and fourth sensing axes are in substantially perpendicular relation, the second dual-axis accelerometer operable to output a third signal proportional to the sensed third acceleration component and to output a fourth signal proportional to the sensed fourth acceleration component, the first and second dual-axis accelerometers being mounted in spaced apart relation defining a plane of reference and for being mounted on the rotatable body spaced apart from the center of rotation, and

a microprocessor operable to determine the angular position of the body as the body rotates through a plurality of angular positions by selecting a fifth signal dependent on the first and third signals or a sixth signal dependent on the second and fourth signals and determining the angular position of the rotatable body therefrom.

Sub B1
Cl 2 Cont
Claim 11. (Once Amended) In an alignment system for aligning a centerline of a first shaft with a centerline of a second shaft, the shaft alignment system including an analyzer having memory, a mounting bracket having engagement surfaces for engaging the first shaft and securing the bracket to the first shaft, a sensor head having a facing surface and a rear surface in opposing relation disposed on the mounting bracket and extending in a substantially perpendicular orientation with respect to the centerline of